



IFW

Docket No.: 50024-024

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	:	Customer Number: 20277
Seiichi BANBA	:	Confirmation Number: 9978
Serial No.: 10/810,833	:	Group Art Unit: 2817
Filed: March 29, 2004	:	Examiner: Unknown
For: VARIABLE GAIN DIFFERENTIAL AMPLIFIER AND MULTIPLICATION CIRCUIT	:	

INFORMATION DISCLOSURE STATEMENT

Mail Stop IDS
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached form PTO-1449. It is respectfully requested that the references be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

Each English and non-English language reference, listed on the attached PTO-1449, were first cited in two attached corresponding Japanese office action and its relevance discussed

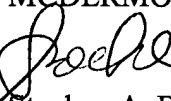
10/810,833

therein. A copy of the two Japanese office actions, together with an English language versions thereof, are attached for the Examiner's information.

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

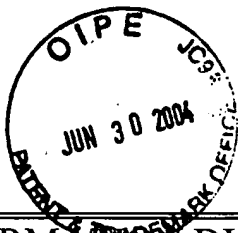
Respectfully submitted,

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SHEET 1 OF 1

INFORMATION DISCLOSURE
CITATION IN AN
APPLICATION

(PTO-1449)

ATTY. DOCKET NO.
50024-024SERIAL NO.
10/810,833APPLICANT
Seiichi BANBAFILING DATE
March 29, 2004GROUP
2817

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US 5,828,265	10/27/1998	Mensink et al	Correspondence to JP 11-509711
		US 5,210,504	5/11/1993	Yagita et al.	Correspondence to JP 4-345305
		US			
		US			
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		US			
		US			

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes - Number - Kind Codes (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation	
						Yes	No
		JP 8-256039	10/1/1996	HITACHI LTD		w/English Abstract	
		JP 11-168334	6/22/1999	HITACHI LTD		w/English Abstract	
		JP 5-31349	4/23/1993	—		Partial English Translation	
		JP 4-345305	12/1/1992	—		Correspondence to U.S. 5,210,504	
		JP 58-204614	11/29/1983	TOSHIBA CORP		w/English Abstract	
		JP 11-509711	8/24/1999	—		Correspondence to U.S. 5,828,265	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.